

Anti-CD14 antibody [EPR3653] ab133335

重组 RabMAb

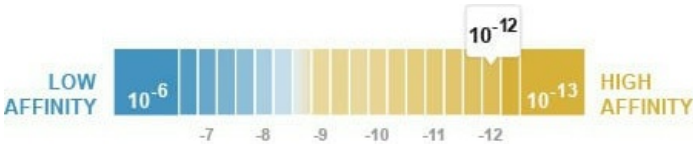
★★★★★ 1 Abreviews 22 References 11 图像

概述

产品名称	Anti-CD14抗体[EPR3653]
描述	兔单克隆抗体[EPR3653] to CD14
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: human colon, placenta and tonsil tissue; WB: Human tonsil tissue lysate, SW480 and PBMCI lysates.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
解离常数 (K _D)	K _D = 4.70 x 10 ⁻¹² M



[Learn more about Kp](#)

存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3653
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab133335 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

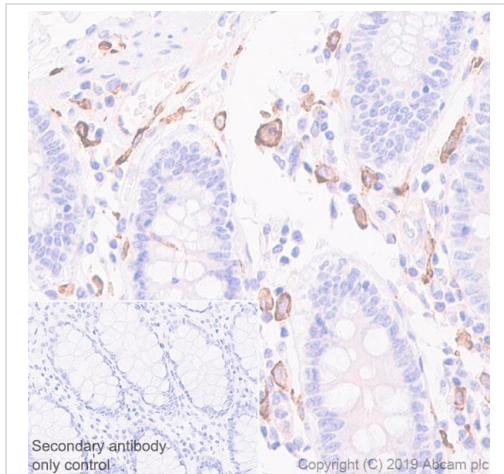
应用	Ab 评论	说明
WB		1/1000 - 1/5000. Detects a band of approximately 53 kDa (predicted molecular weight: 40 kDa).
IHC-P	★★★★★ (1)	1/2000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols . For unpurified use at 1/500 - 1/1000.

应用说明 Is unsuitable for ICC/IF.

靶标

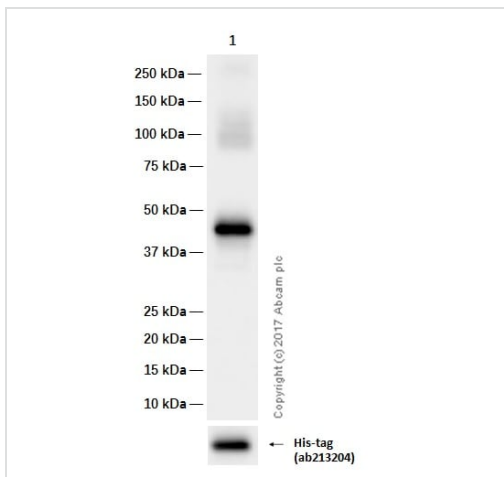
功能	Cooperates with MD-2 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.
组织特异性	Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.
序列相似性	Contains 11 LRR (leucine-rich) repeats.
翻译后修饰	N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.
细胞定位	Cell membrane.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody [EPR3653] (ab133335)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling CD14 with purified ab133335 at 1/2000 dilution (0.04 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-CD14 antibody [EPR3653] (ab133335)

Anti-CD14 antibody [EPR3653] (ab133335) at 1/1000 dilution (purified) + His-Tagged Human CD14 (aa20 to 345) recombinant protein at 0.015 µg

Secondary

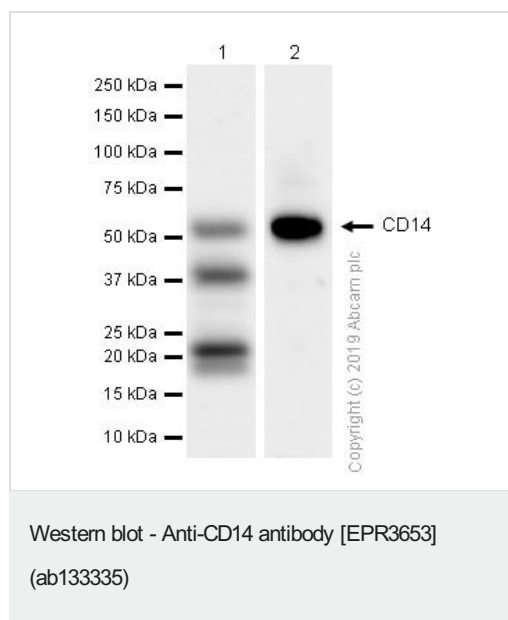
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 40 kDa

Observed band size: 43 kDa

Exposure time: 1 second

Blocking and diluting buffer: 5% NFDm/TBST



All lanes : Anti-CD14 antibody [EPR3653] (ab133335) at 1/1000 dilution

Lane 1 : Human tonsil lysates prepared in RIPA lysis method

Lane 2 : Human tonsil lysates prepared in 1%SDS Hot lysis method

Lysates/proteins at 20 µg per lane.

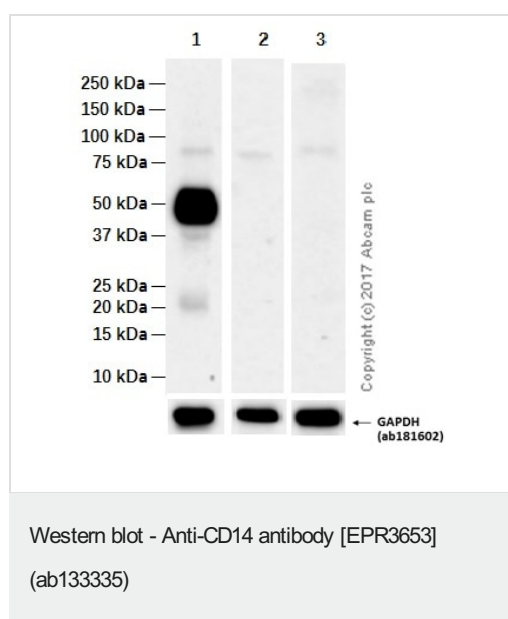
Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 40 kDa

Exposure time: 45 seconds

Blocking/Diluting buffer and concentration: 5% NFDm/TBST



All lanes : Anti-CD14 antibody [EPR3653] (ab133335) at 1/1000 dilution (purified)

Lane 1 : Human tonsil tissue lysate prepared in 1% SDS Hot lysis method

Lane 2 : HeLa (Human cervix adenocarcinoma) whole cell lysate

Lane 3 : U-937 (Human histiocytic lymphoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

Lane 1 : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Lanes 2-3 : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

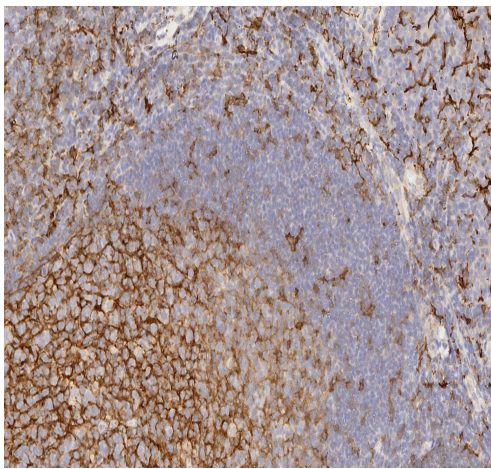
Predicted band size: 40 kDa

Observed band size: 53 kDa

Exposure time: 3 minutes

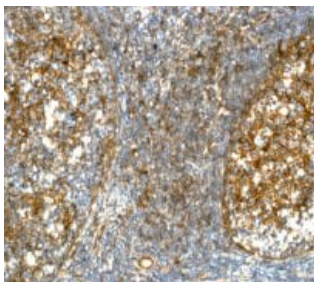
Blocking and diluting buffer: 5% NFDM/TBST

The expression level in HeLa and U-937 are low (PMID: 9886426 and 15730927)



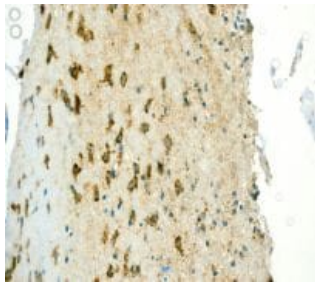
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody [EPR3653] (ab133335)

Immunohistochemical analysis of Formalin-fixed, paraffin-embedded human tonsil tissue labelling CD14 with ab133335 (unpurified) at 1/500 dilution. No blocking step performed. Anti-Rabbit HRP polymer was used as the secondary detection system. Heat-mediated antigen retrieval was performed using EDTA based pH 9.0 buffer.



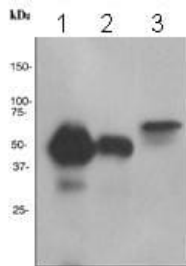
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody [EPR3653] (ab133335)

Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Human tonsil tissue labelling CD14 with ab133335 (unpurified) at 1/500 dilution. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody [EPR3653] (ab133335)

Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Human placenta tissue labelling CD14 with ab133335 (unpurified) at 1/500 dilution. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Western blot - Anti-CD14 antibody [EPR3653] (ab133335)

All lanes : Anti-CD14 antibody [EPR3653] (ab133335) at 1/1000 dilution (unpurified)

Lane 1 : PBMC cell lysate prepared in 1% SDS Hot lysis method

Lane 2 : Human tonsil tissue lysate prepared in 1%SDS Hot lysis method

Lane 3 : SW480 cell lysate prepared in 1%SDS Hot lysis method

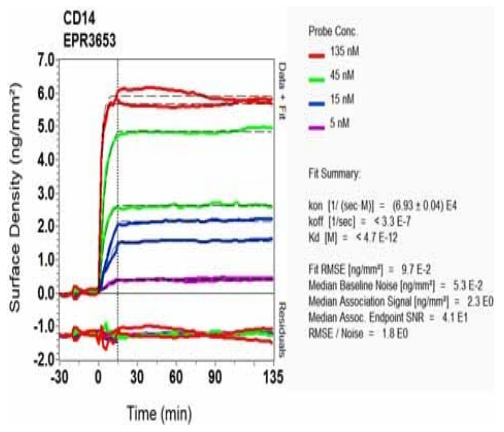
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-rabbit HRP at 1/2000 dilution

Predicted band size: 40 kDa

Observed band size: 53 kDa



OI-RD Scanning - Anti-CD14 antibody [EPR3653]
(ab133335)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Tissue Microarray (TMA) data for ab133335					
Normal tissue samples			Malignant tissue samples		
Human cardiac muscle	x	Human placenta	x (immune cells ✓)	Human glioma	✓
Human cerebrum	x	Human skeletal muscle	x (immune cells ✓)	Human hepatocellular carcinoma	x (immune cells ✓)
Human colon	x (immune cells ✓)	Human skin	x (immune cells ✓)	Human lung carcinoma	x (immune cells ✓)
Human endometrium	x (immune cells ✓)	Human spleen	x (immune cells ✓)	Human ovarian carcinoma	x (immune cells ✓)
Human kidney	x (immune cells ✓)	Human stomach	x (immune cells ✓)	Human pancreatic carcinoma	x (immune cells ✓)
Human liver	x (immune cells ✓)	Human testis	x (immune cells ✓)	Human prostatic hyperplasia	x (immune cells ✓)
Human lung	x (immune cells ✓)	Human thyroid	x	Human thyroid carcinoma	x
Human mammary gland	x (immune cells ✓)	Human tonsil	x (immune cells ✓)		
Human pancreas	x (immune cells ✓)				

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody
[EPR3653] (ab133335)

Tissue Microarrays stained for "Anti-CD14 antibody [EPR3653]" using "ab133335" in immunohistochemical analysis. This table provides a detailed overview of positive (tick mark) and negative (cross mark) staining per sample type tested. The sections were pre-treated using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes. The sections were incubated with ab133335 for 30 mins at room temperature followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-CD14 antibody [EPR3653] (ab133335)

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